

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/537,847A  
Source: PCF  
Date Processed by STIC: 5/18/06

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 05/18/2006

PATENT APPLICATION: US/10/537,847A

TIME: 10:10:38

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\05182006\J537847A.raw

4 <110> APPLICANT: LIAU, Gene  
 5 STEFANSSON, Steingrimur  
 6 SU, Joseph  
 8 <120> TITLE OF INVENTION: ENDOTHELIAL CELL SPECIFICALLY BINDING  
 9 PEPTIDES  
 11 <130> FILE REFERENCE: 4-32422A/GTI/USN  
 13 <140> CURRENT APPLICATION NUMBER: 10/537,847A  
 C--> 14 <141> CURRENT FILING DATE: 2005-06-08  
 16 <150> PRIOR APPLICATION NUMBER: PCT/EP03/014407  
 17 <151> PRIOR FILING DATE: 2003-12-17  
 19 <150> PRIOR APPLICATION NUMBER: 60/434,258  
 20 <151> PRIOR FILING DATE: 2002-12-18  
 22 <160> NUMBER OF SEQ ID NOS: 43  
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 9  
 28 <212> TYPE: PRT  
 29 <213> ORGANISM: Artificial Sequence  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: Artificial sequence derived from human and animal  
 33 adenovirus peptide sequences for binding to  
 34 endothelial cell surface molecules  
 W--> 36 <221> NAME/KEY: PEPTIDE  
 37 <222> LOCATION: (1)...(9)  
 38 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding  
 W--> 40 <400> 1  
 41 Cys Pro Asp Leu His His Met Cys  
 42 1 5  
 45 <210> SEQ ID NO: 2  
 46 <211> LENGTH: 9  
 47 <212> TYPE: PRT  
 48 <213> ORGANISM: Artificial Sequence  
 50 <220> FEATURE:  
 51 <223> OTHER INFORMATION: Artificial sequence derived from human and animal  
 52 adenovirus peptide sequences for binding to  
 53 endothelial cell surface molecules  
 W--> 55 <221> NAME/KEY: PEPTIDE  
 56 <222> LOCATION: (1)...(9)  
 57 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding  
 W--> 59 <400> 2  
 60 Cys Leu Gly Gln His Ala Phe Thr Cys  
 61 1 5  
 64 <210> SEQ ID NO: 3

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65 <211> LENGTH: 9
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Artificial sequence derived from human and animal
71     adenovirus peptide sequences for binding to
72     endothelial cell surface molecules
W--> 74 <221> NAME/KEY: PEPTIDE
75 <222> LOCATION: (1)...(9)
76 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding
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79 Cys Ser Ser Asn Thr Ala Pro His Cys
80 1          5
83 <210> SEQ ID NO: 4
84 <211> LENGTH: 9
85 <212> TYPE: PRT
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Artificial sequence derived from human and animal
90     adenovirus peptide sequences for binding to
91     endothelial cell surface molecules
W--> 93 <221> NAME/KEY: PEPTIDE
94 <222> LOCATION: (1)...(9)
95 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding
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98 Cys His Val Leu Pro Asn Gly Asn Cys
99 1          5
102 <210> SEQ ID NO: 5
103 <211> LENGTH: 10
104 <212> TYPE: PRT
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Artificial sequence derived from human and animal
109     adenovirus peptide sequences for binding to
110     endothelial cell surface molecules
W--> 112 <221> NAME/KEY: PEPTIDE
113 <222> LOCATION: (1)...(9)
114 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding
W--> 116 <400> 5
117 Cys Lys Pro Gly Ile Tyr Pro Ser Leu Cys
118 1          5          10
121 <210> SEQ ID NO: 6
122 <211> LENGTH: 9
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Artificial sequence derived from human and animal
128     adenovirus peptide sequences for binding to
129     endothelial cell surface molecules

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W--> 131 <221> NAME/KEY: PEPTIDE  
132 <222> LOCATION: (1)...(9)  
133 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding

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136 Cys Gln Thr Ala Arg Thr Pro Ala Cys  
137 1 5  
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142 <212> TYPE: PRT  
143 <213> ORGANISM: Artificial Sequence  
145 <220> FEATURE:  
146 <223> OTHER INFORMATION: Artificial sequence derived from human and animal  
147 adenovirus peptide sequences for binding to  
148 endothelial cell surface molecules

W--> 150 <221> NAME/KEY: PEPTIDE  
151 <222> LOCATION: (1)...(9)  
152 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding

W--> 154 <400> 7  
155 Cys Asn Gln Ser Gln Pro Lys His Cys  
156 1 5  
159 <210> SEQ ID NO: 8  
160 <211> LENGTH: 9  
161 <212> TYPE: PRT  
162 <213> ORGANISM: Artificial Sequence  
164 <220> FEATURE:  
165 <223> OTHER INFORMATION: Artificial sequence derived from human and animal  
166 adenovirus peptide sequences for binding to  
167 endothelial cell surface molecules

W--> 169 <221> NAME/KEY: PEPTIDE  
170 <222> LOCATION: (1)...(9)  
171 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding

W--> 173 <400> 8  
174 Cys Thr Pro Ser Lys Ile Ser Val Cys  
175 1 5  
178 <210> SEQ ID NO: 9  
179 <211> LENGTH: 9  
180 <212> TYPE: PRT  
181 <213> ORGANISM: Artificial Sequence  
183 <220> FEATURE:  
184 <223> OTHER INFORMATION: Artificial sequence derived from human and animal  
185 adenovirus peptide sequences for binding to  
186 endothelial cell surface molecules

W--> 188 <221> NAME/KEY: PEPTIDE  
189 <222> LOCATION: (1)...(9)  
190 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding

W--> 192 <400> 9  
193 Cys Val Ser Pro Gly Pro Arg Leu Cys  
194 1 5  
197 <210> SEQ ID NO: 10

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198 <211> LENGTH: 9
199 <212> TYPE: PRT
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Artificial sequence derived from human and animal
204     adenovirus peptide sequences for binding to
205     endothelial cell surface molecules
W--> 207 <221> NAME/KEY: PEPTIDE
208 <222> LOCATION: (1)...(9)
209 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding
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212 Cys Tyr Ala Leu Ser Gly Val Pro Cys
213   1           5
216 <210> SEQ ID NO: 11
217 <211> LENGTH: 9
218 <212> TYPE: PRT
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Artificial sequence derived from human and animal
223     adenovirus peptide sequences for binding to
224     endothelial cell surface molecules
W--> 226 <221> NAME/KEY: PEPTIDE
227 <222> LOCATION: (1)...(9)
228 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding
W--> 230 <400> 11
231 Cys Lys His Pro Pro Gln Pro Phe Cys
232   1           5
235 <210> SEQ ID NO: 12
236 <211> LENGTH: 9
237 <212> TYPE: PRT
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Artificial sequence derived from human and animal
242     adenovirus peptide sequences for binding to
243     endothelial cell surface molecules
W--> 245 <221> NAME/KEY: PEPTIDE
246 <222> LOCATION: (1)...(9)
247 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding
W--> 249 <400> 12
250 Cys His Gln Ser Lys Pro Leu Leu Cys
251   1           5
254 <210> SEQ ID NO: 13
255 <211> LENGTH: 9
256 <212> TYPE: PRT
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Artificial sequence derived from human and animal
261     adenovirus peptide sequences for binding to
262     endothelial cell surface molecules

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TIME: 10:10:38

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Output Set: N:\CRF4\05182006\J537847A.raw

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W--> 264 <221> NAME/KEY: PEPTIDE
      265 <222> LOCATION: (1)...(9)
      266 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding
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      270 1 5
      273 <210> SEQ ID NO: 14
      274 <211> LENGTH: 9
      275 <212> TYPE: PRT
      276 <213> ORGANISM: Artificial Sequence
      278 <220> FEATURE:
      279 <223> OTHER INFORMATION: Artificial sequence derived from human and animal
      280 adenovirus peptide sequences for binding to
      281 endothelial cell surface molecules
W--> 283 <221> NAME/KEY: PEPTIDE
      284 <222> LOCATION: (1)...(9)
      285 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding
W--> 287 <400> 14
      288 Cys Pro His Lys Thr His Leu Pro Cys
      289 1 5
      292 <210> SEQ ID NO: 15
      293 <211> LENGTH: 9
      294 <212> TYPE: PRT
      295 <213> ORGANISM: Artificial Sequence
      297 <220> FEATURE:
      298 <223> OTHER INFORMATION: Artificial sequence derived from human and animal
      299 adenovirus peptide sequences for binding to
      300 endothelial cell surface molecules
W--> 302 <221> NAME/KEY: PEPTIDE
      303 <222> LOCATION: (1)...(9)
      304 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding
W--> 306 <400> 15
      307 Cys Val Phe Pro Leu Ser His Tyr Cys
      308 1 5
      311 <210> SEQ ID NO: 16
      312 <211> LENGTH: 9
      313 <212> TYPE: PRT
      314 <213> ORGANISM: Artificial Sequence
      316 <220> FEATURE:
      317 <223> OTHER INFORMATION: Artificial sequence derived from human and animal
      318 adenovirus peptide sequences for binding to
      319 endothelial cell surface molecules
W--> 321 <221> NAME/KEY: PEPTIDE
      322 <222> LOCATION: (1)...(9)
      323 <223> OTHER INFORMATION: Peptide Specific for Endothelial Cell Binding
W--> 325 <400> 16
      326 Cys Asn Met Ile Ala Pro Ser Ser Cys
      327 1 5
      330 <210> SEQ ID NO: 17

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 05/18/2006  
PATENT APPLICATION: US/10/537,847A      TIME: 10:10:39

Input Set : A:\SEQLIST.TXT  
Output Set: N:\CRF4\05182006\J537847A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:43; Xaa Pos. 2,3,8

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Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\05182006\J537847A.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:36 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:40 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:55 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:59 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2  
L:74 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:78 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:93 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:97 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4  
L:112 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:116 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5  
L:131 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:135 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6  
L:150 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:154 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:169 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:173 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8  
L:188 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:192 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:207 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:211 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:226 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:230 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:245 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:249 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12  
L:264 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:268 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13  
L:283 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:287 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14  
L:302 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:306 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15  
L:321 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:325 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16  
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L:363 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18  
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L:382 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19  
L:397 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:401 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20  
L:416 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:420 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
L:435 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:439 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
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L:473 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!



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Input Set : A:\SEQLIST.TXT

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L:477 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24  
L:492 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
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L:530 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:534 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:27  
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L:553 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28  
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L:572 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:29  
L:587 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:591 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30  
L:606 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:610 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:31  
L:625 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:629 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32  
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L:648 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33  
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L:667 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34  
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L:705 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:36  
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L:739 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:744 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38  
L:757 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:762 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:775 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:781 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40  
L:794 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:800 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
L:813 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:817 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42  
L:832 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:836 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:43  
L:837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0